Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/24/2021 09:06 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123905	-1	1.29	123806	1.3
Blue	F	SSC	125000	123461	-2	2.96	123707	2.83
Blue	E	FITC	13131	12663	-4	2.21	292	15.11
Blue	D	PE	24112	23766	-2	1.6	547	10.78
Blue	B	PerCP-Cy5-5	31295	30504	-3	3.03	1012	14.16
Blue	A	PE-Cy7	19939	19883	-1	5.09	533	27.68
Red	C	APC	42122	41483	-2	3.12	1739	11.35
Red	A	APC-Cy7	22340	21925	-2	3.38	824	11.86
Violet	B	V450	7410	7084	-5	4.02	437	12.94
Violet	A	V500	28118	26882	-5	3.71	674	10.32

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22924	0.98	560	-9	N/A	N/A	Pass
Blue	F	SSC	57683	1.14	513	1	N/A	N/A	Pass
Blue	E	FITC	55	57.02	480	-7	0.0536	396	Pass
Blue	D	PE	116	37.97	483	-5	0.4586	407	Pass
Blue	B	PerCP-Cy5-5	190	34.3	577	-9	0.0209	47	Pass
Blue	A	PE-Cy7	109	65.47	620	-8	0.0248	9	Pass
Red	C	APC	403	23.81	577	1	0.0285	190	Pass
Red	A	APC-Cy7	184	27.49	551	0	0.0059	819	Pass
Violet	B	V450	62	65.03	453	0	0.0587	2523	Pass
Violet	A	V500	98	36.24	464	-1	0.0246	1068	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.07	-31.69	1.09
Blue	20.36	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.42
Red	16.16	13.60 - 20.40	N/A	N/A	29.85	30.24	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 10020

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments